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TITLE : METHOD FOR PROCESSING PROTEIN FIBER PRODUCT

ABSTRACT : PURPOSE: To improve the physical properties of a protein fiber product at a low cost by effectively utilizing refused animal hair or wasted animal hair, and to dye the protein fiber product in deep color or in a pattern.

CONSTITUTION: A method for processing a protein fiber product by immersing the protein fiber product in the aqueous solution of an animal protein to combine the animal protein with the fibers of the protein fiber product is characterized by adding a cross-linking agent to the aqueous solution of the animal protein, the cross-linking agent being able to cross-link either one kind or both of the amino group and thiol group of the protein fiber product with either one kind or both of the amino group and thiol group of the animal protein, immersing the protein fiber product in the mixed solution, and subsequently dyeing the treated protein product. When the animal hair-treated product is heated in water or in a metal salt aqueous solution, the treated product generates a color, and when the animal hair-treated product generates a color, and when the animal hair-treated product is dyed with a dyestuff, the dyed product having deep color is obtained. The irradiation of UV light on a part of the animal protein product before or after the color generation enables to form a pattern.

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